

| Ref # | Hits | Search Query                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------|---------|------------------|
| S1    | 47   | "4557785".URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | USPAT                        | OR               | ON      | 2004/09/27 13:06 |
| S2    | 0    | "6454864".URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | USPAT                        | OR               | ON      | 2004/09/27 13:16 |
| S3    | 13   | ("4086870"   "5000827"   "5024746"   "5095848"   "5256274"   "5368711"   "5429733"   "5437777"   "5441629"   "5447615"   "5516414"   "5830805"   "5853559").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | USPAT                        | OR               | ON      | 2004/09/27 13:16 |
| S4    | 12   | "5853559".URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | USPAT                        | OR               | ON      | 2004/09/27 13:19 |
| S5    | 23   | "6017437".URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | USPAT                        | OR               | ON      | 2004/09/27 13:20 |
| S6    | 451  | evaporation with shield                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT           | OR               | ON      | 2005/01/26 14:31 |
| S7    | 61   | ("118"/\$.ccls. 156/345.\$.ccls.) and (evaporation with shield)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/23 14:13 |
| S8    | 16   | "evaporation shield"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/23 13:33 |
| S9    | 5    | "evaporation shield"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EPO; JPO;<br>DERWENT         | OR               | ON      | 2003/06/23 13:50 |
| S10   | 0    | ("118"/\$.ccls. 156/345.\$.ccls.) and (degass\$3 adj membrane)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/23 14:07 |
| S11   | 29   | (degass\$3 adj membrane)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/25 14:35 |
| S12   | 46   | (degass\$3 adj membrane)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EPO; JPO;<br>DERWENT         | OR               | ON      | 2003/06/25 14:34 |
| S13   | 2666 | ("118"/\$.ccls. 156/345.\$.ccls.) and (fluid with surface)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/23 14:15 |
| S14   | 151  | ((156/345.18) or (156/345.19)).CCLS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2003/06/24 18:08 |
| S15   | 74   | (156/345.\$.ccls.) and (fluid with surface with (retain\$3 contact\$3))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT           | OR               | ON      | 2003/06/23 14:49 |
| S16   | 673  | ((118/402) or (118/407) or (118/409)).CCLS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2003/06/24 12:56 |
| S17   | 61   | ((("3937857") or ("4006047") or ("4234628") or ("4364803") or ("4632857") or ("5235139") or ("5240497") or ("5380560") or ("5478462") or ("5674787") or ("5824599") or ("6015747") or ("6065424") or ("6077780") or ("6136163") or ("6180523") or ("6242349") or ("6245670") or ("6258220") or ("6291348") or ("6416647") or ("6432819") or ("639620") or ("4232060") or ("4265943") or ("4368223") or ("4397812") or ("4810520") or ("5147692") or ("5248527") or ("5384284") or ("5415890") or ("5510216") or ("5648125") or ("5695810") or ("5733816") or ("5843538") or ("5846598") or ("5885749") or ("5891513") or ("5904827") or ("5907790") or ("5910340") or ("5913147") or ("5932077") or ("5969422") or ("6010962") or ("6015724") or ("6107199") or ("6110530") or ("6113771") or ("6136693") or ("6140234") or ("6171661") or ("6174812") or ("6197181") or ("6197688") or ("6228233") or ("6258220") or ("6251236") or ("6258223") or ("6258270")).PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2003/06/24 11:51 |
| S18   | 673  | ((118/402) or (118/407) or (118/409)).CCLS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2003/06/24 12:57 |
| S19   | 390  | ((156/345.18) or (156/345.19) or (156/345.12)).CCLS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2003/06/24 19:24 |
| S20   | 125  | (118/209).CCLS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2003/06/24 19:35 |

|     |      |                                                                                                                           |                              |    |     |                  |
|-----|------|---------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|------------------|
| S21 | 318  | (118/211).CCLS.                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/06/24 19:36 |
| S22 | 9067 | (118/200-271).CCLS.                                                                                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/06/25 11:48 |
| S23 | 20   | ((118/200-271).CCLS.) and ((118/504).CCLS.)                                                                               | US-PGPUB;<br>USPAT           | OR | ON  | 2003/06/24 19:36 |
| S24 | 607  | (118/504).CCLS.                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/06/25 10:36 |
| S25 | 278  | (118/dig.4).CCLS.                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/06/25 11:51 |
| S26 | 278  | (118/dig.4).CCLS.                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/06/25 14:52 |
| S27 | 1359 | (134/902).CCLS.                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/06/25 12:32 |
| S28 | 46   | (degass\$3 adj membrane)                                                                                                  | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/06/25 14:35 |
| S29 | 346  | (degass\$3 with membrane)                                                                                                 | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/06/25 14:35 |
| S30 | 300  | ((degass\$3 with membrane) ) not ((degass\$3 adj membrane) )                                                              | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/06/25 14:36 |
| S31 | 29   | (degass\$3 adj membrane)                                                                                                  | US-PGPUB;<br>USPAT           | OR | ON  | 2003/06/25 14:36 |
| S32 | 393  | (degass\$3 with membrane)                                                                                                 | US-PGPUB;<br>USPAT           | OR | ON  | 2003/06/25 14:35 |
| S33 | 1    | c23c016\$.ipc. and ((degass\$3 with membrane) ) not ((degass\$3 adj membrane) )                                           | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/06/25 14:36 |
| S34 | 8    | ("118"/\$.ccls. "134"/\$.ccls. 156/345.\$.ccls. ) and (degass\$3 with membrane)                                           | US-PGPUB;<br>USPAT           | OR | ON  | 2003/06/26 09:14 |
| S35 | 9    | 118/dig.4.ccls. and (heat\$3 same(cover top lid))                                                                         | US-PGPUB;<br>USPAT           | OR | ON  | 2003/06/27 09:16 |
| S36 | 123  | ("118"/\$.ccls. "134"/\$.ccls. 156/345.\$.ccls. ) and (transducer with acoustic)                                          | US-PGPUB;<br>USPAT           | OR | ON  | 2003/06/26 20:35 |
| S37 | 50   | ("118"/\$.ccls. "134"/\$.ccls. 156/345.\$.ccls. ) and (transducer with acoustic with wave)                                | US-PGPUB;<br>USPAT           | OR | ON  | 2003/06/26 09:15 |
| S38 | 177  | ("118"/\$.ccls. "134"/\$.ccls. 156/345.\$.ccls. ) and (transducer with (cover lid top closure shield))                    | US-PGPUB;<br>USPAT           | OR | ON  | 2003/06/26 09:16 |
| S39 | 13   | ("118"/\$.ccls. "134"/\$.ccls. 156/345.\$.ccls. ) and (transducer with (cover lid top closure shield) with (acoustic\$4)) | US-PGPUB;<br>USPAT           | OR | ON  | 2003/06/26 16:46 |
| S40 | 487  | ("118"/\$.ccls. "134"/\$.ccls. 156/345.\$.ccls. ) and (agitat\$4 with fluid)                                              | US-PGPUB;<br>USPAT           | OR | ON  | 2003/06/26 10:38 |
| S41 | 0    | (c23c016\$.ipc.) and (transducer with (cover lid top closure shield) with (acoustic\$4))                                  | US-PGPUB;<br>USPAT           | OR | ON  | 2003/06/26 10:03 |
| S42 | 1    | (c23c016\$.ipc.) and (transducer with (cover lid top closure shield) and (acoustic\$4))                                   | US-PGPUB;<br>USPAT           | OR | ON  | 2003/06/26 10:04 |
| S43 | 0    | (c23c016\$.ipc.) and (transducer with (cover lid top closure shield) and (acoustic\$4))                                   | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/06/26 10:04 |
| S44 | 3    | (c23c016\$.ipc.) and (transducer same (acoustic\$4))                                                                      | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/06/26 10:05 |
| S45 | 77   | (c23c016\$.ipc.) and (transducer )                                                                                        | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/06/26 10:05 |
| S46 | 1    | (c23c016\$.ipc.) and (degass\$3 same membrane)                                                                            | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/12/17 12:10 |

|     |     |                                                                                                                     |                        |    |     |                  |
|-----|-----|---------------------------------------------------------------------------------------------------------------------|------------------------|----|-----|------------------|
| S47 | 70  | (c23c016\$.ipc.) and (degass\$3 )                                                                                   | EPO; JPO; DERWENT      | OR | ON  | 2003/06/26 10:06 |
| S48 | 10  | (c23c016\$.ipc.) and (degass\$3 same (fluid liquid))                                                                | EPO; JPO; DERWENT      | OR | ON  | 2003/06/26 10:06 |
| S49 | 396 | (degass\$3 with membrane)                                                                                           | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 10:12 |
| S50 | 346 | (degass\$3 with membrane)                                                                                           | EPO; JPO; DERWENT      | OR | ON  | 2003/06/26 10:12 |
| S51 | 30  | (degass\$3 with membrane) same (cover top shield closure lid)                                                       | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 10:13 |
| S52 | 20  | (degass\$3 with membrane) same (cover top shield closure lid)                                                       | EPO; JPO; DERWENT      | OR | ON  | 2003/06/26 10:27 |
| S53 | 70  | (c23c016\$.ipc.) and (degass\$3 )                                                                                   | EPO; JPO; DERWENT      | OR | ON  | 2003/06/26 20:36 |
| S54 | 408 | ("118"/\$.ccls. "134"/\$.ccls. 156/345\$.ccls. ) and (degass\$3)                                                    | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 12:01 |
| S55 | 4   | ((134/109-110).CCLS.) and (degass\$3)                                                                               | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 12:03 |
| S56 | 194 | ((134/109-110).CCLS.) and (membrane filter)                                                                         | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 12:05 |
| S57 | 36  | ((134/109-110).CCLS.) and (membrane )                                                                               | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 12:05 |
| S58 | 553 | (134/109-110).CCLS.                                                                                                 | US-PGPUB; USPAT; USOCR | OR | OFF | 2003/06/26 15:28 |
| S59 | 68  | (96/5).CCLS.                                                                                                        | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/01/26 14:40 |
| S60 | 975 | (transducer with (cover lid top closure shield) with (acoustic\$4))                                                 | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 16:46 |
| S61 | 222 | (transducer with (cover lid top closure ) with (acoustic\$4) with wave)                                             | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 13:00 |
| S62 | 21  | (transducer with (cover lid top closure ) with (acoustic\$4) with wave with (fluid liquid solution))                | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 17:01 |
| S63 | 127 | (transducer with (cover lid top closure ) with (mount\$3 attach\$3 secur\$3) with (rod dowel bolt))                 | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 17:04 |
| S64 | 193 | (transducer with (cover lid top closure ) with (mount\$3 attach\$3 secur\$3) ) same (substrate wafer semiconductor) | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 17:05 |
| S65 | 82  | (transducer with (cover lid top closure ) with (mount\$3 attach\$3 secur\$3) with (rod ))                           | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 18:38 |
| S66 | 17  | (transducer with (cover lid top closure ) with (fluid liquid) with (rod ))                                          | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 13:00 |
| S67 | 10  | (transducer with (cover lid top closure ) with (fluid liquid) with (rod ))                                          | EPO; JPO; DERWENT      | OR | ON  | 2003/06/26 18:32 |
| S68 | 197 | (transducer with (cover lid top closure ) with (transducer) with (rod ))                                            | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 18:39 |
| S69 | 17  | (transducer with (cover lid top closure ) with (liquid solution fluid) with (rod ))                                 | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 18:41 |
| S70 | 5   | (solution fluid liquid) with transducer with rod with acoustic with wave                                            | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 18:42 |
| S71 | 48  | ("118"/\$.ccls. "134"/\$.ccls. 156/345\$.ccls. ) and (transducer with rod)                                          | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 19:20 |
| S72 | 253 | ("118"/\$.ccls. "134"/\$.ccls. 156/345\$.ccls. ) and (polymer\$3 with resist\$3 with material)                      | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 20:36 |
| S73 | 109 | ("118"/\$.ccls. ) and (polymer\$3 with resist\$3 with material)                                                     | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 20:36 |

|      |     |                                                                                                                          |                        |    |     |                  |
|------|-----|--------------------------------------------------------------------------------------------------------------------------|------------------------|----|-----|------------------|
| S74  | 11  | (c23c016\$.ipc.) and (polymer\$3 with resist\$3 with material)                                                           | EPO; JPO; DERWENT      | OR | ON  | 2003/06/26 20:38 |
| S75  | 56  | (c23c016\$.ipc.) and (polymer\$3 with (chamber apparatus) with material)                                                 | EPO; JPO; DERWENT      | OR | ON  | 2003/06/26 20:44 |
| S76  | 350 | ("118"/\$.ccls.) and (polymer\$3 with (chamber apparatus) with material)                                                 | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 20:45 |
| S77  | 8   | ("118"/\$.ccls.) and (polymer\$3 with (chamber apparatus) with material with (corros\$3 erosi\$3))                       | US-PGPUB; USPAT        | OR | ON  | 2003/06/26 20:45 |
| S78  | 3   | (c23c016\$.ipc.) and (degass\$3 same (cover top lid))                                                                    | EPO; JPO; DERWENT      | OR | ON  | 2003/12/17 12:11 |
| S79  | 25  | (118/715-733.ccls. 156/345\$.ccls.) and (degass\$3 same (cover top lid))                                                 | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 12:11 |
| S80  | 3   | (c23c016\$.ipc.) and (degass\$3 same (cover top shield lid))                                                             | EPO; JPO; DERWENT      | OR | ON  | 2003/12/17 12:17 |
| S81  | 29  | (118/715-733.ccls. 156/345\$.ccls.) and (degass\$3 same (shield cover top lid))                                          | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 12:17 |
| S82  | 20  | (118/715-733.ccls. 156/345\$.ccls.) and (degass\$3 same (shield cover top lid))                                          | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 12:17 |
| S83  | 4   | (c23c016\$.ipc.) and (degass\$34 same (cover top shield lid))                                                            | EPO; JPO; DERWENT      | OR | ON  | 2003/12/17 12:18 |
| S84  | 39  | (118/715-733.ccls. 156/345\$.ccls.) and (degass\$4 same (shield cover top lid))                                          | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 12:26 |
| S85  | 66  | (degass\$4 same (shield cover top lid) same membrane)                                                                    | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 12:26 |
| S86  | 30  | (degass\$4 same (shield cover top lid) same membrane)                                                                    | EPO; JPO; DERWENT      | OR | ON  | 2003/12/17 12:34 |
| S87  | 236 | (261/dig.19).CCLS.                                                                                                       | US-PGPUB; USPAT; USOCR | OR | OFF | 2003/12/17 12:34 |
| S88  | 4   | ((261/dig.19).CCLS.) and membrane                                                                                        | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 12:34 |
| S89  | 3   | ((261/dig.19).CCLS.) and (degass\$4 with (cover top lid shield closure))                                                 | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 12:35 |
| S90  | 66  | (degass\$4 same (shield cover top lid) same membrane)                                                                    | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 12:37 |
| S91  | 0   | c23c016\$.ipc. and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave )                             | EPO; JPO; DERWENT      | OR | ON  | 2003/12/17 13:01 |
| S92  | 1   | "118"/\$.ccls. and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave )                             | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 13:04 |
| S93  | 173 | (coat\$3 deposit\$3 film) and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave) )                 | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 13:29 |
| S94  | 93  | ((coat\$3 deposit\$3 film) with substrate) and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave ) | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 13:25 |
| S95  | 10  | 118/620-643.ccls. and ( acoustic\$4 with wave )                                                                          | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 13:27 |
| S96  | 1   | 118/612.ccls. and ( acoustic\$4 with wave )                                                                              | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 13:29 |
| S97  | 23  | (coat\$3 deposit\$3 film) same ((transducer with (cover lid top closure ) with (acoustic\$4) with wave )                 | EPO; JPO; DERWENT      | OR | ON  | 2003/12/17 13:37 |
| S98  | 0   | 134/1\$.ccls. and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave )                              | EPO; JPO; DERWENT      | OR | ON  | 2003/12/17 14:14 |
| S99  | 0   | 134/1\$.ccls. and (transducer with (acoustic\$4) with wave )                                                             | EPO; JPO; DERWENT      | OR | ON  | 2003/12/17 13:37 |
| S100 | 34  | (134/1\$.ccls. 134/1.ccls.) and (transducer with (acoustic\$4) with wave)                                                | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 14:06 |
| S101 | 3   | (134/1\$.ccls. 134/1.ccls.) and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave )                | US-PGPUB; USPAT        | OR | ON  | 2003/12/17 13:39 |

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| S10<br>2 | 14    | (b08b\$.ipc.) and (transducer with (acoustic\$4) with wave)                                                                                                                                                                                                                 | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/12/17 14:06 |
| S10<br>3 | 5     | "134"/\$.ccls. and ((transducer with (cover lid top closure ) with (acoustic\$4) with wave) )                                                                                                                                                                               | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 14:26 |
| S10<br>4 | 2     | "09550680"                                                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 14:38 |
| S10<br>5 | 1     | ("6554905").PN.                                                                                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/12/17 14:38 |
| S10<br>6 | 19    | ("1060265"   "4422407"   "4446817"   "4558660"   "4563367"   "4615294"   "4798165"   "4836138"   "5108792"   "5332442"   "5587019"   "6027602"   "6133152"   "6210484"   "6265323"   "6281141"   "6288367"   "6316747"   "6319556").PN.                                     | USPAT                        | OR | ON  | 2003/12/17 14:39 |
| S10<br>7 | 107   | c23c016\$.ipc. and (rotat\$5 with (cover lid top closure))                                                                                                                                                                                                                  | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/12/17 15:38 |
| S10<br>8 | 6405  | c23c016\$.ipc. and (rotat\$5 with (cover lid top closure) (independent\$3 relative))                                                                                                                                                                                        | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/12/17 15:36 |
| S10<br>9 | 4     | c23c016\$.ipc. and (rotat\$5 with (cover lid top closure) with (independent\$3 relative))                                                                                                                                                                                   | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/12/17 15:36 |
| S11<br>0 | 2249  | "118"/\$.ccls. and (rotat\$5 with (cover lid top closure))                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 15:37 |
| S11<br>1 | 7     | c23c016\$.ipc. and (rotat\$5 with (cover lid top closure) with (independent\$3 relative separat\$3))                                                                                                                                                                        | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/12/17 15:39 |
| S11<br>2 | 223   | "118"/\$.ccls. and (rotat\$5 with (cover lid top closure) with (independent\$3 relative separat\$3))                                                                                                                                                                        | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 17:46 |
| S11<br>3 | 3     | ("118"/\$.ccls. 156/345\$.ccls. "134"/\$.ccls.) and ((channel vein protrusion) with agit\$7 with (cover lid top closure) )                                                                                                                                                  | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 17:48 |
| S11<br>4 | 1546  | ("118"/\$.ccls. 156/345\$.ccls. "134"/\$.ccls.) and ((channel vein protrusion) with (cover lid top closure) )                                                                                                                                                               | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 17:49 |
| S11<br>5 | 16228 | ("118"/\$.ccls. 156/345\$.ccls. "134"/\$.ccls.) and ((channel vein protrusion) with (cover lid top closure) (mix\$3 agit\$7 stir\$3) )                                                                                                                                      | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 17:51 |
| S11<br>6 | 8968  | (c23c016\$.ipc. b08b\$) and ((channel vein protrusion) with (cover lid top closure) (mix\$3 agit\$7 stir\$3) )                                                                                                                                                              | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/12/17 17:51 |
| S11<br>7 | 5     | (c23c016\$.ipc. b08b\$) and ((channel vein protrusion) with (cover lid top closure) WITH (mix\$3 agit\$7 stir\$3) )                                                                                                                                                         | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/12/17 17:51 |
| S11<br>8 | 19    | ("118"/\$.ccls. 156/345\$.ccls. "134"/\$.ccls.) and ((channel vein protrusion) with (cover lid top closure) WITH (mix\$3 agit\$7 stir\$3) )                                                                                                                                 | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 17:57 |
| S11<br>9 | 929   | 134/184                                                                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 17:59 |
| S12<br>0 | 96    | 134/192                                                                                                                                                                                                                                                                     | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 18:12 |
| S12<br>1 | 78    | 134/192.CCLS.                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 18:12 |
| S12<br>2 | 343   | 134/182-197.CCLS. AND (WAFER SEMICONDUCTOR)                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 18:13 |
| S12<br>3 | 373   | 134/182-197.CCLS. AND (SUBSTRATE WAFER SEMICONDUCTOR)                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 18:25 |
| S12<br>4 | 49    | "4869278".URPN.                                                                                                                                                                                                                                                             | USPAT                        | OR | ON  | 2003/12/17 18:24 |
| S12<br>5 | 22    | ("2498737"   "2828231"   "2831785"   "2950725"   "3058014"   "3151840"   "3301535"   "3396286"   "3415548"   "3517227"   "3596883"   "3730489"   "3873071"   "3893869"   "4099417"   "4118649"   "4326553"   "4385255"   "4440025"   "4602184"   "4644214"   "4670683").PN. | USPAT                        | OR | ON  | 2003/12/17 18:36 |

|          |      |                                                                                                                                     |                              |    |     |                  |
|----------|------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|------------------|
| S12<br>6 | 0    | (134/204).CCLS.                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/12/17 18:39 |
| S12<br>7 | 1472 | (134/902).CCLS.                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2003/12/17 18:39 |
| S12<br>8 | 42   | "134"/\$.CCLS. AND (TRANSDUCER WITH (ATTACH\$3<br>MOUNT\$3 COUPL\$3) WITH (LID COVER CLOSURE TOP))                                  | US-PGPUB;<br>USPAT           | OR | ON  | 2003/12/17 20:34 |
| S12<br>9 | 60   | "5316591".URPN.                                                                                                                     | USPAT                        | OR | ON  | 2003/12/17 20:09 |
| S13<br>0 | 60   | "5316591".URPN.                                                                                                                     | USPAT                        | OR | ON  | 2003/12/17 20:18 |
| S13<br>1 | 10   | ("2828231"   "3058014"   "4012194"   "4692982"   "4797178"<br>  "4906387"   "4990260"   "5013366"   "5062898"  <br>"5068040").PN.   | USPAT                        | OR | ON  | 2003/12/17 20:18 |
| S13<br>2 | 2    | "2001206069"                                                                                                                        | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/12/17 20:38 |
| S13<br>3 | 5    | "206069"                                                                                                                            | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/12/17 20:37 |
| S13<br>4 | 1    | "2001-206069"                                                                                                                       | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/12/17 20:38 |
| S13<br>5 | 24   | danese.in.                                                                                                                          | EPO; JPO;<br>DERWENT         | OR | ON  | 2003/12/17 20:39 |
| S13<br>6 | 51   | stevens-joseph.in. lubomirsky-dmitry.in. pancham-ian.in.<br>grunes-howard.in. mok-yeuk\$.in.                                        | US-PGPUB;<br>USPAT           | OR | ON  | 2005/01/26 13:57 |
| S13<br>7 | 829  | (substrate wafer) with (contact\$3) with (fluid liquid)with (cover<br>top shield closure)                                           | US-PGPUB;<br>USPAT           | OR | ON  | 2004/03/18 13:09 |
| S13<br>8 | 423  | ("118"/\$.ccls. 156/345.\$.ccls. "134"/\$.ccls.) and ((fluid liquid)<br>with (retain\$3) with surface)                              | US-PGPUB;<br>USPAT           | OR | ON  | 2004/03/18 13:10 |
| S13<br>9 | 34   | ("118"/\$.ccls. 156/345.\$.ccls. "134"/\$.ccls.) and ((fluid liquid)<br>with (cover lid top closure) with (retain\$3) with surface) | US-PGPUB;<br>USPAT           | OR | ON  | 2004/03/18 13:17 |
| S14<br>0 | 252  | (fluid liquid) with (retain\$3) with surface with (wafer substrate)                                                                 | EPO; JPO;<br>DERWENT         | OR | ON  | 2004/03/18 13:17 |
| S14<br>1 | 503  | (fluid liquid) with (retain\$3) with surface with (wafer substrate)                                                                 | US-PGPUB;<br>USPAT           | OR | ON  | 2004/03/18 13:26 |
| S14<br>2 | 1    | 10/059,572                                                                                                                          | US-PGPUB;<br>USPAT           | OR | ON  | 2004/03/18 13:33 |
| S14<br>3 | 1    | ("5547508").PN.                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/03/18 13:40 |
| S14<br>4 | 27   | "5547508".URPN.                                                                                                                     | USPAT                        | OR | ON  | 2004/03/18 13:33 |
| S14<br>5 | 115  | (118/402).CCLS.                                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/03/18 14:00 |
| S14<br>6 | 5    | "5286529".URPN.                                                                                                                     | USPAT                        | OR | ON  | 2004/03/18 13:46 |
| S14<br>7 | 5    | ("4599969"   "4716851"   "4722856"   "4801476"  <br>"4848270").PN.                                                                  | USPAT                        | OR | ON  | 2004/03/18 13:47 |
| S14<br>8 | 7    | ("3467060"   "4685415"   "4842893"   "4899686"   "4924800"<br>  "5131460"   "5286294").PN.                                          | USPAT                        | OR | ON  | 2004/03/18 13:53 |
| S14<br>9 | 9    | ("3549368"   "3705055"   "4197344"   "4238559"   "4520750"<br>  "4564584"   "4592926"   "4608943"   "4686173").PN.                  | USPAT                        | OR | ON  | 2004/03/18 13:56 |
| S15<br>0 | 1427 | ((118/428) or (118/429)).CCLS.                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/03/18 14:00 |

|          |     |                                                                                                                                                                                                  |                              |    |     |                  |
|----------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----|-----|------------------|
| S15<br>1 | 440 | (118/407).CCLS.                                                                                                                                                                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/03/18 14:01 |
| S15<br>2 | 0   | "5674566".URPN.                                                                                                                                                                                  | USPAT                        | OR | ON  | 2004/03/18 14:34 |
| S15<br>3 | 4   | ("3369918"   "4770836"   "5069156"   "5545440").PN.                                                                                                                                              | USPAT                        | OR | ON  | 2004/03/18 14:34 |
| S15<br>4 | 1   | "3664354".PN.                                                                                                                                                                                    | USPAT                        | OR | ON  | 2004/03/18 18:09 |
| S15<br>5 | 45  | "4557785".URPN.                                                                                                                                                                                  | USPAT                        | OR | ON  | 2004/03/18 18:10 |
| S15<br>6 | 28  | "4755844".URPN.                                                                                                                                                                                  | USPAT                        | OR | ON  | 2004/03/18 18:21 |
| S15<br>7 | 9   | ("3601029"   "3721175"   "4693211"   "4696885"   "4755844"<br>  "5405508"   "5562772"   "5678116"   "5689749").PN.                                                                               | USPAT                        | OR | ON  | 2004/03/18 18:34 |
| S15<br>8 | 2   | ("3785853"   "4581248").PN.                                                                                                                                                                      | USPAT                        | OR | ON  | 2004/03/18 18:35 |
| S15<br>9 | 32  | "4693211".URPN.                                                                                                                                                                                  | USPAT                        | OR | ON  | 2004/03/18 18:35 |
| S16<br>0 | 4   | "6090205".URPN.                                                                                                                                                                                  | USPAT                        | OR | ON  | 2004/03/18 18:40 |
| S16<br>1 | 15  | ("3601029"   "3721175"   "4693211"   "4696885"   "4755844"<br>  "4788992"   "4822639"   "4886012"   "4899686"  <br>"5095848"   "5405508"   "5562772"   "5678116"   "5689749"<br>  "5716673").PN. | USPAT                        | OR | ON  | 2004/03/18 18:41 |
| S16<br>2 | 12  | "5716673".URPN.                                                                                                                                                                                  | USPAT                        | OR | ON  | 2004/03/18 18:45 |
| S16<br>3 | 14  | ("4133912"   "4267212"   "4416213"   "4741926"   "4806504"<br>  "4885262"   "4894351"   "4941426"   "4996080"  <br>"5013586"   "5127362"   "5234499"   "5264246"  <br>"5366757").PN.             | USPAT                        | OR | ON  | 2004/03/18 18:47 |
| S16<br>4 | 2   | ("3785853"   "4581248").PN.                                                                                                                                                                      | USPAT                        | OR | ON  | 2004/03/18 18:49 |
| S16<br>5 | 32  | "4693211".URPN.                                                                                                                                                                                  | USPAT                        | OR | ON  | 2004/03/18 18:49 |
| S16<br>6 | 5   | "5853961".URPN.                                                                                                                                                                                  | USPAT                        | OR | ON  | 2004/03/18 18:50 |
| S16<br>7 | 9   | ("3601029"   "3721175"   "4693211"   "4696885"   "4755844"<br>  "5405508"   "5562772"   "5678116"   "5689749").PN.                                                                               | USPAT                        | OR | ON  | 2004/03/18 18:51 |
| S16<br>8 | 10  | ("3727620"   "3769992"   "3990462"   "4015615"   "4027686"<br>  "4132567"   "4161356"   "4286541"   "4469424"  <br>"4557785").PN.                                                                | USPAT                        | OR | ON  | 2004/03/18 18:57 |
| S16<br>9 | 7   | "5368634".URPN.                                                                                                                                                                                  | USPAT                        | OR | ON  | 2004/03/18 19:21 |
| S17<br>0 | 0   | "5674566".URPN.                                                                                                                                                                                  | USPAT                        | OR | ON  | 2004/03/18 19:25 |
| S17<br>1 | 4   | ("3369918"   "4770836"   "5069156"   "5545440").PN.                                                                                                                                              | USPAT                        | OR | ON  | 2004/03/18 19:25 |

|          |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                             |    |     |                  |
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| S17<br>2 | 125 | (US-3921572-\$ or US-3916071-\$ or US-3765810-\$ or US-6258154-\$ or US-6390904-\$ or US-4226208-\$ or US-6235641-\$ or US-6017827-\$ or US-5167747-\$ or US-4838979-\$ or US-4557785-\$ or US-4600463-\$ or US-6383571-\$ or US-5976256-\$ or US-5935330-\$ or US-5769946-\$ or US-5674566-\$ or US-5190591-\$ or US-5009933-\$ or US-4982686-\$ or US-4840821-\$ or US-4848270-\$ or US-4851263-\$ or US-4856456-\$ or US-4785762-\$ or US-4821675-\$).did. or (US-4674436-\$ or US-4716851-\$ or US-4550681-\$ or US-6432819-\$ or US-6165552-\$ or US-4900593-\$ or US-4038442-\$ or US-6517668-\$ or US-6494984-\$ or US-5575706-\$ or US-6533864-\$ or US-6416583-\$ or US-5704535-\$ or US-6428852-\$ or US-6358323-\$ or US-6086823-\$ or US-5810037-\$ or US-5803099-\$ or US-5669971-\$ or US-6176903-\$ or US-5693122-\$ or US-5190627-\$ or US-6039814-\$ or US-5547508-\$ or US-5368634-\$ or US-5240556-\$ or US-5077099-\$).did. or (US-4715317-\$ or US-4907611-\$ or US-4816081-\$ or US-6521049-\$ or US-6146468-\$ or US-6021791-\$ or US-4290384-\$ or US-6224713-\$ or US-3853094-\$ or US-6642151-\$ or US-4435986-\$ or US-6412499-\$ or US-5531861-\$ or US-5562778-\$ or US-4120699-\$ or US-6027602-\$ or US-5906860-\$ or US-5762708-\$ or US-5656082-\$ or US-5707687-\$ or US-6539952-\$ or US-4869278-\$ or US-4543130-\$ or US-5316591-\$ or US-3988908-\$ or US-6630032-\$ or US-6212916-\$).did. or (US-5494526-\$ or US-5286529-\$ or US-4899686-\$ or US-4592926-\$ or US-6454864-\$ or US-4755844-\$ or US-5853961-\$ or US-6090205-\$ or US-5716673-\$ or US-6124215-\$ or US-6187093-\$ or US-6461061-\$ or US-5310440-\$).did. or (US-20020153254-\$ or US-20030010213-\$ or US-20010015343-\$ or US-20030064159-\$ or US-20020108851-\$ or US-20020056646-\$ or US-20020023720-\$ or US-20010024691-\$ or US-20030141018-\$ or US-20020029788-\$ or US-20020062839-\$ or US-20030045098-\$ or US-20030041804-\$ or US-20020062840-\$ or US-20030047195-\$ or US-20030034056-\$ or US-20030116176-\$ or US-20030106566-\$ or US-20020195133-\$ or US-20020185154-\$ or US-20030140988-\$ or US-20030143837-\$ or US-20030172954-\$).did. or (EP-622475-\$).did. or (JP-08057437-\$).did. or (US-6036780-\$ or JP-05109655-\$ or WO-8910208-\$ or DE-29922090-\$ or US-20020029788-\$ or US-5669971-\$ or DE-3027533-\$ or JP-2003037093-\$).did. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/03/18 19:37 |
| S17<br>3 | 5   | (US-2439802-\$ or US-2293174-\$ or US-3526536-\$ or US-2661292-\$ or US-2534320-\$).did.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | USOCR                                       | OR | OFF | 2004/03/18 19:37 |



|          |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |    |     |                  |
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| S17<br>4 | 22 | ((US-3921572-\$ or US-3916071-\$ or US-3765810-\$ or US-6258154-\$ or US-6390904-\$ or US-4226208-\$ or US-6235641-\$ or US-6017827-\$ or US-5167747-\$ or US-4838979-\$ or US-4557785-\$ or US-4600463-\$ or US-6383571-\$ or US-5976256-\$ or US-5935330-\$ or US-5769946-\$ or US-5674566-\$ or US-5190591-\$ or US-5009933-\$ or US-4982686-\$ or US-4840821-\$ or US-4848270-\$ or US-4851263-\$ or US-4856456-\$ or US-4785762-\$ or US-4821675-\$).did. or (US-4674436-\$ or US-4716851-\$ or US-4550681-\$ or US-6432819-\$ or US-6165552-\$ or US-4900593-\$ or US-4038442-\$ or US-6517668-\$ or US-6494984-\$ or US-5575706-\$ or US-6533864-\$ or US-6416583-\$ or US-5704535-\$ or US-6428852-\$ or US-6358323-\$ or US-6086823-\$ or US-5810037-\$ or US-5803099-\$ or US-5669971-\$ or US-6176903-\$ or US-5693122-\$ or US-5190627-\$ or US-6039814-\$ or US-5547508-\$ or US-5368634-\$ or US-5240556-\$ or US-5077099-\$).did. or (US-4715317-\$ or US-4907611-\$ or US-4816081-\$ or US-6521049-\$ or US-6146468-\$ or US-6021791-\$ or US-4290384-\$ or US-6224713-\$ or US-3853094-\$ or US-6642151-\$ or US-4435986-\$ or US-6412499-\$ or US-5531861-\$ or US-5562778-\$ or US-4120699-\$ or US-6027602-\$ or US-5906860-\$ or US-5762708-\$ or US-5656082-\$ or US-5707687-\$ or US-6539952-\$ or US-4869278-\$ or US-4543130-\$ or US-5316591-\$ or US-3988908-\$ or US-6630032-\$ or US-6212916-\$).did. or (US-5494526-\$ or US-5286529-\$ or US-4899686-\$ or US-4592926-\$ or US-6454864-\$ or US-4755844-\$ or US-5853961-\$ or US-6090205-\$ or US-5716673-\$ or US-6124215-\$ or US-6187093-\$ or US-6461061-\$ or US-5310440-\$).did. or (US-20020153254-\$ or US-20030010213-\$ or US-20010015343-\$ or US-20030064159-\$ or US-20020108851-\$ or US-20020056646-\$ or US-20020023720-\$ or US-20010024691-\$ or US-20030141018-\$ or US-20020029788-\$ or US-20020062839-\$ or US-20030045098-\$ or US-20030041804-\$ or US-20020062840-\$ or US-20030047195-\$ or US-20030034056-\$ or US-20030116176-\$ or US-20030106566-\$ or US-20020195133-\$ or US-20020185154-\$ or US-20030140988-\$ or US-20030143837-\$ or US-20030172954-\$).did. or (EP-622475-\$).did. or (JP-08057437-\$).did. or (US-6036780-\$ or JP-05109655-\$ or WO-8910208-\$ or DE-29922090-\$ or US-20020029788-\$ or US-5669971-\$ or DE-3027533-\$ or JP-2003037093-\$).did.) and ((cavity chamber) with fill\$3) | US-PGPUB;<br>USPAT           | OR | ON  | 2004/03/18 19:41 |
| S17<br>5 | 87 | ((fluid solution liquid) with electroplat\$3) same ((cavity chamber) with fill\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT           | OR | ON  | 2004/03/18 19:42 |
| S17<br>6 | 52 | (plat\$3) with (substrate wafer) with (cavity chamber gap void clearance) with (fill\$3) with (entir\$3 complet\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT           | OR | ON  | 2004/03/19 09:04 |
| S17<br>7 | 5  | (plat\$3) with (substrate wafer) with (cavity chamber gap void clearance) with (fill\$3) with (entir\$3 complet\$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EPO; JPO;<br>DERWENT         | OR | ON  | 2004/03/19 09:04 |
| S17<br>8 | 9  | ("5853559"   "6126798"   "6132587"   "6176992"   "6179982"   "6179983"   "6375823"   "6402925"   "6416647"   "2002/0029961").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | USPAT                        | OR | ON  | 2004/03/19 09:20 |
| S17<br>9 | 2  | ("5084149"   "5256274").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | USPAT                        | OR | ON  | 2004/03/19 09:30 |
| S18<br>0 | 10 | "5853559".URPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | USPAT                        | OR | ON  | 2004/03/19 09:31 |
| S18<br>1 | 1  | ("5853961").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/03/19 12:10 |
| S18<br>2 | 1  | ("4821675").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/03/19 12:10 |

|          |    |                                                                                                                                                                                                                                                                                                                                |                      |    |    |                  |
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| S18<br>3 | 58 | stevens-joseph.in. lubomirsky-dmitry.in. pancham-ian.in.<br>grunes-howard.in. mok-yeuk\$.in.                                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT   | OR | ON | 2004/03/19 13:13 |
| S18<br>4 | 20 | ( "4021278" or "4510176" or "4519846" or "4544446" or<br>"4677758" or "4875434" or "4989345" or "5232511" or<br>"5395649" or "5873177" or "5899216" or "5974661" or<br>"5979475" or "6029369" or "6099702" or "6179982" or<br>"6214193" or "6267853" or "6273104" or "6290865" ).pn.                                           | US-PGPUB;<br>USPAT   | OR | ON | 2004/08/27 14:57 |
| S18<br>5 | 23 | "4021278".URPN.                                                                                                                                                                                                                                                                                                                | USPAT                | OR | ON | 2004/08/27 13:08 |
| S18<br>6 | 83 | "4544446".URPN.                                                                                                                                                                                                                                                                                                                | USPAT                | OR | ON | 2004/08/27 13:10 |
| S18<br>7 | 25 | ("4021278"   "4510176"   "4519846"   "4544446"   "4651440"<br>  "4677758"   "4677759"   "4724619"   "4875434"  <br>"4989345"   "5232511"   "5395649"   "5435075"   "5873177"<br>  "5899216"   "5974661"   "5979475"   "6029369"  <br>"6099702"   "6179982"   "6214193"   "6267853"   "6273104"<br>  "6290865"   "6405739").PN. | USPAT                | OR | ON | 2004/08/27 13:33 |
| S18<br>8 | 0  | "6742279".URPN.                                                                                                                                                                                                                                                                                                                | USPAT                | OR | ON | 2004/08/27 13:41 |
| S18<br>9 | 5  | ("2701191"   "2978804"   "3437543"   "3549439"  <br>"3953265").PN.                                                                                                                                                                                                                                                             | USPAT                | OR | ON | 2004/08/27 14:25 |
| S19<br>0 | 5  | ("2701191"   "2978804"   "3437543"   "3549439"  <br>"3953265").PN.                                                                                                                                                                                                                                                             | USPAT                | OR | ON | 2004/08/27 14:26 |
| S19<br>1 | 2  | "2701191".URPN.                                                                                                                                                                                                                                                                                                                | USPAT                | OR | ON | 2004/08/27 14:26 |
| S19<br>2 | 23 | "4021278".URPN.                                                                                                                                                                                                                                                                                                                | USPAT                | OR | ON | 2004/08/27 14:29 |
| S19<br>3 | 13 | "6273104".URPN.                                                                                                                                                                                                                                                                                                                | USPAT                | OR | ON | 2004/08/27 14:35 |
| S19<br>4 | 2  | ("4544446"   "6273104").PN.                                                                                                                                                                                                                                                                                                    | USPAT                | OR | ON | 2004/08/27 14:37 |
| S19<br>5 | 2  | ("4544446"   "6273104").PN.                                                                                                                                                                                                                                                                                                    | USPAT                | OR | ON | 2004/08/27 14:37 |
| S19<br>6 | 1  | "6440320".URPN.                                                                                                                                                                                                                                                                                                                | USPAT                | OR | ON | 2004/08/27 14:37 |
| S19<br>7 | 2  | ("5947134"   "6273104").PN.                                                                                                                                                                                                                                                                                                    | USPAT                | OR | ON | 2004/08/27 14:49 |
| S19<br>8 | 0  | "6601596".URPN.                                                                                                                                                                                                                                                                                                                | USPAT                | OR | ON | 2004/08/27 14:49 |
| S19<br>9 | 10 | "5395649".URPN.                                                                                                                                                                                                                                                                                                                | USPAT                | OR | ON | 2004/08/27 14:53 |
| S20<br>0 | 10 | "5395649".URPN.                                                                                                                                                                                                                                                                                                                | USPAT                | OR | ON | 2004/08/27 14:54 |
| S20<br>1 | 5  | ("2580131"   "4347302"   "4393807"   "4790262"  <br>"4889069").PN.                                                                                                                                                                                                                                                             | USPAT                | OR | ON | 2004/08/27 14:54 |
| S20<br>2 | 2  | spin\$3 with (cover lid top) with (prevent\$3) with evaporat\$3                                                                                                                                                                                                                                                                | US-PGPUB;<br>USPAT   | OR | ON | 2004/08/27 14:59 |
| S20<br>3 | 96 | spin\$3 with (cover lid top) with evaporat\$3                                                                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT   | OR | ON | 2004/08/27 15:00 |
| S20<br>4 | 56 | spin\$3 with (cover lid top) with contact\$3 with (fluid liquid)                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT   | OR | ON | 2004/08/27 15:06 |
| S20<br>5 | 6  | "5334254".URPN.                                                                                                                                                                                                                                                                                                                | USPAT                | OR | ON | 2004/08/27 15:04 |
| S20<br>6 | 19 | spin\$3 with (shield) with contact\$3 with (fluid liquid)                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT   | OR | ON | 2004/08/27 15:05 |
| S20<br>7 | 19 | spin\$3 with (cover lid top) with contact\$3 with (fluid liquid)                                                                                                                                                                                                                                                               | EPO; JPO;<br>DERWENT | OR | ON | 2004/08/27 15:06 |

|          |       |                                                                                                                                                                                                                                                                                                                 |                              |    |     |                  |
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| S20<br>8 | 21    | spin\$3 with (shield cover lid top) with contact\$3 with (fluid liquid)                                                                                                                                                                                                                                         | EPO; JPO;<br>DERWENT         | OR | ON  | 2004/08/27 15:19 |
| S20<br>9 | 1     | ("6173161").PN.                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/08/27 15:19 |
| S21<br>0 | 1     | ("6713161").PN.                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/08/27 15:19 |
| S21<br>1 | 46043 | ((118/\$.cds.156/345.\$.cds.)and(spin\$3withnozzle)).CCLS.                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/08/30 10:39 |
| S21<br>2 | 24    | ("118"/\$.cds. 156/345.\$.cds.) and (spin\$3 with nozzle with (separate outside))                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT           | OR | ON  | 2004/08/30 13:08 |
| S21<br>3 | 11    | "5803970".URPN.                                                                                                                                                                                                                                                                                                 | USPAT                        | OR | ON  | 2004/08/30 10:58 |
| S21<br>4 | 4     | ("5707687"   "5716673"   "5803970"   "6048804").PN.                                                                                                                                                                                                                                                             | USPAT                        | OR | ON  | 2004/08/30 11:02 |
| S21<br>5 | 0     | "6610145".URPN.                                                                                                                                                                                                                                                                                                 | USPAT                        | OR | ON  | 2004/08/30 11:03 |
| S21<br>6 | 11    | "5803970".URPN.                                                                                                                                                                                                                                                                                                 | USPAT                        | OR | ON  | 2004/08/30 11:04 |
| S21<br>7 | 7     | ("4790262"   "5002008"   "5349978"   "5439519"   "5449405"   "5536128"   "5705223").PN.                                                                                                                                                                                                                         | USPAT                        | OR | ON  | 2004/08/30 11:04 |
| S21<br>8 | 1     | ("4021278").PN.                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/08/30 14:11 |
| S21<br>9 | 1     | ("4554446").PN.                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/08/30 14:20 |
| S22<br>0 | 1     | ("4544446").PN.                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/08/30 14:20 |
| S22<br>1 | 23    | "4021278".URPN.                                                                                                                                                                                                                                                                                                 | USPAT                        | OR | ON  | 2004/08/30 16:06 |
| S22<br>2 | 66    | stevens-joseph.in. lubomirsky-dmitry.in. pancham-ian.in. grunes-howard.in. mok-yeuk\$.in.                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT           | OR | ON  | 2004/08/30 17:53 |
| S22<br>3 | 25    | ("4021278"   "4510176"   "4519846"   "4544446"   "4651440"   "4677758"   "4677759"   "4724619"   "4875434"   "4989345"   "5232511"   "5395649"   "5435075"   "5873177"   "5899216"   "5974661"   "5979475"   "6029369"   "6099702"   "6179982"   "6214193"   "6267853"   "6273104"   "6290865"   "6405739").PN. | USPAT                        | OR | ON  | 2004/08/30 17:57 |
| S22<br>9 | 76    | stevens-joseph.in. lubomirsky-dmitry.in. pancham-ian.in. grunes-howard.in. mok-yeuk\$.in.                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT           | OR | ON  | 2005/01/26 13:57 |
| S23<br>0 | 344   | evaporation with shield                                                                                                                                                                                                                                                                                         | EPO; JPO;<br>DERWENT         | OR | ON  | 2005/01/26 14:31 |
| S23<br>1 | 64    | evaporation with shield with (substrate wafer semiconductor workpiece)                                                                                                                                                                                                                                          | EPO; JPO;<br>DERWENT         | OR | ON  | 2005/01/26 14:32 |
| S23<br>2 | 0     | (evaporation adj shield) with (substrate wafer semiconductor workpiece)                                                                                                                                                                                                                                         | EPO; JPO;<br>DERWENT         | OR | ON  | 2005/01/26 14:32 |
| S23<br>3 | 762   | ("204"/\$.cds. "205"/\$.cds.) and (vacuum ((low reduced) adj pressure)) and degas\$4                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT           | OR | ON  | 2005/02/07 18:28 |
| S23<br>4 | 766   | ("204"/\$.cds. "205"/\$.cds.) and (vacuum ((low reduced) adj pressure)) and degas\$4                                                                                                                                                                                                                            | US-PGPUB;<br>USPAT           | OR | ON  | 2005/02/07 18:27 |
| S23<br>5 | 1     | 10/259,572                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT           | OR | ON  | 2005/02/07 18:27 |
| S23<br>6 | 2     | 10/059,572                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT           | OR | ON  | 2005/02/07 18:27 |

|          |      |                                                                                                         |                                                       |    |     |                  |
|----------|------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----|-----|------------------|
| S23<br>7 | 41   | ("204"/\$.ccls. "205"/\$.ccls.) and (vacuum ((low reduced) adj pressure)) and (degas\$4 with membrane)  | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/02/07 18:52 |
| S23<br>8 | 33   | ("204"/\$.ccls. "205"/\$.ccls.) and (vacuum ((low reduced) adj pressure)) same (degas\$4 with membrane) | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/02/07 18:52 |
| S23<br>9 | 395  | "electroless plating".ti.                                                                               | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/02/08 13:07 |
| S24<br>0 | 68   | electroless.ti. and apparatus.ti.                                                                       | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/02/08 13:10 |
| S24<br>1 | 3    | 09/822,502                                                                                              | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/02/08 13:15 |
| S24<br>2 | 435  | electroless and degas\$4                                                                                | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/02/08 13:15 |
| S24<br>3 | 345  | electroless and degas\$4 and vacuum                                                                     | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/02/08 13:26 |
| S24<br>4 | 1078 | ("204"/\$.ccls. "205"/\$.ccls.) and electroless and electrolyte                                         | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/02/08 13:27 |
| S24<br>5 | 118  | ("204"/\$.ccls. "205"/\$.ccls.) and (electroless with electrolyte)                                      | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/02/08 14:27 |
| S24<br>6 | 1175 | ((204/275.1) or (204/278)).CCLS.                                                                        | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/02/08 14:45 |
| S24<br>7 | 34   | S246 and degas\$4                                                                                       | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/02/08 14:37 |
| S24<br>8 | 636  | (204/278).CCLS.                                                                                         | US-PGPUB;<br>USPAT                                    | OR | OFF | 2005/02/08 15:14 |
| S24<br>9 | 6    | ("4075069"   "4201653"   "4522695"   "5112465"   "5616246"   "6258220").PN.                             | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/02/08 15:12 |
| S25<br>0 | 2    | "200075402"                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/02/08 15:12 |
| S25<br>1 | 6    | ("5112465").URPN.                                                                                       | USPAT                                                 | OR | ON  | 2005/02/08 16:31 |
| S25<br>2 | 9    | ("1085742"   "1838666"   "2439491"   "2465747"   "4592819").PN.                                         | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2005/02/08 16:32 |
| S25<br>3 | 7    | stockbower.in.                                                                                          | US-PGPUB;<br>USPAT                                    | OR | ON  | 2005/02/09 10:41 |
| S25<br>4 | 2    | ("1085742").URPN.                                                                                       | USPAT                                                 | OR | ON  | 2005/02/09 12:45 |